

LEV, Yu.D., starshiy leytenant

Calculation of hydrologic factors in using sonar in navigation. Mar.
sbor. 47 no.1:64-67 Ja '64. (MIRA 18:7)

L 07399-67
ACC NR: AP6018903

(N)

SOURCE CODE: UR/0375/66/000/002/0063/0065

AUTHOR: Lev, Yu. D. (Senior Lieutenant)

ORG: none

TITLE: Methods of increasing the accuracy for determining the location of a ship by means of radar

SOURCE: Morskoy sbornik, no. 2, 1966, 63-65

TOPIC TAGS: radar tracking, ship, tracking radar

ABSTRACT: If the location of a ship S is determined with respect to two radar distances D_1 and D_2 up to orienting points A and B, the magnitude of the mean square error M_s at the obtained location can be calculated by the formula

$$M_s = \pm \frac{E\sqrt{2}}{\sin \theta}, \quad (1)$$

where E is the mean square error in measuring the distance and θ is the angle of intersection of the position lines. Using the same orienting points A and B, the position of the ship can be determined as the most probable of two independent positions O_1 and O_2 obtained from bearings and distances up to the

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L 07399-67

ACC NR: AP6018903
APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929420014-0"

orienting points. The most probable position in this case is found at segment O_1 and O_2 at point O which divides the segment into parts inversely proportional to the values of the squares of the mean square errors of positions O_1 and O_2 . In this case the mean square of positions O_1 and O_2 is calculated by the formula

$$M_{(2)} = \pm \sqrt{E^2 + m^2 D_{(2)}^2}, \quad (2)$$

where $m = m_b$ arc 1° (m_b is the mean square error in determining the radar bearing). The value of the mean square error of the most probable position of the ship O is determined from the expression

$$M_o = \pm \frac{M_1 M_2}{\sqrt{M_1^2 + M_2^2}}. \quad (3)$$

This method of determining the position of a ship by means of radar is called the mean position method. It is assumed that $D_1 = D$ and $D_2 = SD$, where D_1 is the smaller of the two distances and S is a positive number. Then $S = D_2/D_1$. If Eq. (3) is set up with this consideration, its right side is equated to that of Eq. (1), and the derived equation is solved relative to S, then

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$$S_{cal} = \sqrt{\frac{\frac{E^3}{m^2 D_s} (4 - \sin^2 \theta) + (2 - \sin^2 \theta)}{\sin^2 \theta \left(1 + \frac{m^2 D_s}{E^3}\right) - 2}}, \quad (4)$$

where S_{cal} is the coefficient at which $M_o = M_s$. An analysis shows that if $S = S_{cal}$, then $M_o = M_s$, i.e., the accuracy of determining the position of the ship with respect to two distances and by the mean position method is identical; $S > S_{cal}$, then $M_o > M_s$, i.e., the position of the ship is more accurately determined by two distances; $S < S_{cal}$, then $M_o < M_s$, i.e., the position of the ship is more accurately determined by the mean position method. Orig. art. has: 7 formulas and 3 figures.

SUB CODE: 13,17/ SUHM DATE: none

Card 3/3 (a)

LEVA, Peter, inz.

Cemented metals and powder metallurgy; discussion. Stroj vyr 10 no.11:
571 '62.

1. Kablo, n.p., Bratislava.

LEVA, R.

Ya.

"The Synthesis of Olefinic and Paraffinic Hydrocarbons of forked structure. III. The reaction between the Hydrobromide of 2,4-Dimethylpentadiene and Alkyl-lithium Salides," by R. Ya. Leva and S. A. Igorova (p. 824)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1976, Volume 16, No. 6

RADUN, D.V., kand.tekhn.nauk; LEVACHEV, A.G., inzh.

Regulating the concentration of alkalies. Izv.vys.ucheb.zav., energ.
no.8:73-81 Ag '58. (MIRA 11:11)

1. Moskovskiy ordena Lenina energeticheskiy institut.
(Alkalies)

25(5)

AUTHORS:

Radun, D. V., Candidate of Technical Sciences, Levachev, A. G., Chistyakov, V. S., Teper, M. Ye., Lurda, A. K.

06224

SOV/64-59-6-16/28

TITLE:

Automatic Control of the Work of Evaporating Apparatus for Electrolytic Lyes

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 6, pp 516 - 521
(USSR)

ABSTRACT:

An automatic control of the lye level in all evaporators, the removal of the lye and caustics by means of a pump with an automatic concentration control, and the salt separation by means of automatic centrifuges of the type "AG" permit continuous evaporation and the full automation of the evaporator. The lye concentration can be measured and controlled by determining the temperature of depression, i. e. the temperature difference between the boiling solution and the steam. The temperature of the boiling lye should be measured in an apparatus with forced circulation in the discharge flow, in apparatus with natural circulation and a suspension chamber between chamber and apparatus wall, and where the lye is

Card 1/2

RADUN, D.V. (S.S.S.R.); LEVACEV, A.G. [Levachev, A.G.] (S.S.S.R.); LOMAKIN,
I.L. (S.S.S.R.)

Automation of an evaporation plant for electrolytic lye. Chem prum
12 no.11: 590-597 N '62.

RADUN, D.V., kand. tekhn. nauk; LEVACHEV, A.G., kand. tekhn. nauk; PETROENKO,
Yu.N., aspirant

Automation of the evaporator stations of chlorine plants. Trudy
(MIRA 17:6)
MEI no.48:31-43 '63.

KLIMOVA, T.K.; LEVACHEV, I.A.; STAROSTINA, A.V.; VITEZEEVA, K.A.

Some data on tularemia in Archangel Province. Zhur. mikrobiol.,
epid. i immun. 40 no.6:48-54 Je '63. (MIRA 17:6)

1. Iz Leningradskoy protivochumnoy portovoy i gorodskoy
nablyudatel'noy stantsii.

LEVACHEV, M.M.; MISHUKOVA, Ye.A.; SIVKOVA, V.G.; SKULACHEV, V.P.

Energy metabolism in a pigeon under self-heating after hypothermia.
Biokhimia 30 no.4:864-874 Jl-Ag '65. (MIRA 18:8)

1. Kafedra biokhimii zhivotnykh Gosudarstvennogo universiteta
imeni M.V. Lomonosova, Moskva.

Levachev, N.I.).

BURSIAN, V.R., dotsent, kandidat tekhnicheskikh nauk; LEVACHEV, N.A., dotsent,
kandidat tekhnicheskikh nauk.

Study of the mechanisms of conveying machinery. Trudy MTIPP 2:407-430
'52.
(Conveying machinery)(Food industry--Equipment and supplies)

LEVACHEV, N.A., dotsent, kandidat tekhnicheskikh nauk; KREYMERMAN, G.I., kandidat tekhnicheskikh nauk, redaktor.

[Automatic feeders in elevators and warehouses] Samopodavateli v elevatorno-skladskom khoziaistve. Pod red. G.I.Kreimermana. Moskva, Gos. izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1953. 95 p. (MLRA 7:1)
(Conveying machinery) (Grain--Storage)

BENDERSKIY, S.N., kand.tekhn. nauk; BURSIAN, V.R., prof., kand. tekhn. nauk; VASIL'YEV, P.N., inzh.; LORFMAN, E.Ye., inzh.; ZHUKAVLEV, V.F., kand. tekhn. nauk; KESTEL'MAN, V.N., inzh.; KRUGLOV, A.N., dots., kand. tekhn. nauk; KUKIENNY, A.A., dots., kand.tekhn. nauk; LEVACHEV, N.A., dots., kand. tekhn. nauk; LEYKIN, A.Ya., inzh.; NAREMSKIY, N.K., dots., kand. tekhn. nauk; PLATONOV, P.N., prof., doktor tekhn. nauk; SOKOLOV, A.Ya., prof., doktor tekhn. nauk; KUTSENKO, K.I., kand. tekhn. nauk, dots., retsentent; VEREMEYENKO, Ye.I., inzh., retsentent; KOVTUN, A.P., inzh., retsentent; SEMENYUK, A.I., retsentent; KASHCHEYEV, I.P., inzh., retsentent; PAL'TSEV, V.S., kand. tekhn. nauk, retsentent; KHTEL'NITSKAYA, A.Z., red.

[Conveying and reloading machinery for the overall mechanization of the food industries] Transportiruiushchie i peregruzchye mashiny dlja kompleksnoi mekhanizatsii pishchevykh proizvodstv. Moskva, Pishchevaja promyshlennost', 1964.
(MIRA 18:3)
759 p.

(Continued on next card)

BENDERSKIY, S.N.--- (continued). Card 2.

1. Odesskiy tekhnologicheskiy institut imeni M.V.Lomonosova (for Kutsenko, Naremkiy, Veremeyenko, Kovtun).
2. Starshiy ekspert Upravleniya po avtomatizatsii i oborudovaniyu dlya pishchevoy promyshlennosti Gosudarstvennogo koriteta po mashinostroyeniyu pri Gosplane SSSR (for Semenyuk).
3. Glavnyy mekhanik Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy mukomol'nokrupyanoy i kombikormovoy promyshlennosti i elevatorsko-skladskogo khozyaystva (for Kashcheyev).
4. Zaveduyushchiy laboratoriyye Vsesoyuznogo nauchno-issledovatel'skogo instituta zerna i produktov ego pererabotki (for Pal'tsev).

ZHELANKIN, G., inzh.; LEVACHEV, S., inzh.

Embankments of lightweight construction. Rech. trans. 21
no.9:35-37 S '62. (MIRA 15:9)
(Embankments)

LEVACHEV, V., inzhener.

Marvelous paints. Tekh.moled. 21 no.7:22-23 J1 '53.
(Paint) (Ships--Painting) (MLRA 6:8)

LEVACHEV, Vasiliy Andreyevich; MILLER, Edmund Ernestovich; PANKIN, A.V.,
professor, doktor tekhnicheskikh nauk, redaktor; NELDOVA, E.S.,
redaktor; KRASHAYA, A.K., tekhnicheskiy redaktor

[Manual on production norms for shipbuilding and ship repair work
in the navy] sp.-avochnik po tekhnicheskому normirovaniyu sudostroitel'-
nykh i sudoremontnykh rabot na morskem flote. Pod red. A.V.Pankina.
Moskva, Izd-vo "Morskoi transport," 1955. 450 p. [Microfilm] (MLRA 8:2)
(Shipbuilding)

LEVACHEV, Vladimir Vasil'yevich

[Methods of designing lumbering enterprises] Metody proektirovaniia lesozagotovitel'nykh predpriiatii. Moskva, Goslesbumizdat, 1960. 91 p.
(MIRA 15:11)
(Lumbering)

BRILING, I.S.; LEVACHEVA, L.I.; ZASOV, V.D., nauchn. red.; OLEYNIK,
L.K., red.

[Detailing structural units] Detalirovaniye uzla stroitel'-
noi konstruktsii. [n.p.] Rosvuzizdat, 1963. 23 p.
(MIRA 17:7)

LEVACHEVA, V. N.

Levacheva, V. N. "Saccharification of grain stores with mold amylase," Pishch. prom-st' SSSR, Issue 12, 1949, p. 2-11

SC: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statей, No. 1h, 1949).

LEVACHEVA, V. M.

The rate of yeast metabolism during the period of beer fermentation. I. Yu. Veselov and V. M. Levacheva. *Tруды Всерус. Науч.-Исследоват. Инст. Пивоварения*. Пром. 1954, No. 4, 62-61; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 10118.—Sugar fermentation by yeasts is not regarded as a simple process of energy exchange, since the products of fermentation are utilized in the synthesis of proteins and N-free substances in the process of yeast proliferation. When radio-labeled glucose was supplied, 60% of the radioactivity was detected in the proteins and amino acids of the yeast cells. When radio-labeled acetaldehyde was added to the fermenting substrate together with unlabeled glucose, radioactivity was detected in the amino acids of the autolyzed cells, leading to the conclusion that acetaldehyde participates in the synthetic processes. A study of the liberation by yeasts of P³² into the substrate during the process of fermentation indicates that P exchange proceeds at the rate of 1.8% of its content in the yeasts per day. B. S. Leyne.

(1)

The biochemical properties of beer produced by a new scheme of technology. V. M. Levachkin and V. N. Shul. *Trudy Vsesoyuz. Nauch.-Issled. Inst. Pivovarnich. Prom.*, 1954, No. 4, 62-6; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 13881. --A study was made of the aldehyde and fusel-oil content, oxidation-reduction potentials, total and amino N, and CO₂ in beer produced by the old method and by a new one in which were incorporated decarboxylation and aeration with CO₂. No significant differences between the 2 sets of results were recorded. B. S. Levine

(1)

Levacheva, V. M.

✓ Catalase and peroxidase activity of beer during the process
of fermentation and aging. I. Ya. Veselov and V. M.
Levacheva. Trudy Vsesoyuz. Nauch. Issledovatel. Inst.
Pisecov. Prom. 1954, No. 4, 66-72; Referral. Zhur. Khim.,
Biol. Khim. 1955, No. 0050.—The raw components of beer,
barley, malt, and, to a lesser degree, hops contain a considerable
amt. of catalase and peroxidase which find their way into
the fermenting mass. During boiling these enzymes become
inactivated. Green and aged beer contain a slight amt. of
catalase originating from the yeast, but peroxidase is en-
tirely absent. The introduction of malt husks, which are
rich in catalase and peroxidase into the fermenting wort,
affects the fermentation process favorably. The addn. of
1% of malt husks hastens the process of fermentation, lowers
the aldehyde content of the green beer, extends the period
of 2,6-dichlorophenolindophenol decoloration apparently
due to the presence of reducing substances, and hastens the
process of beer ripening. B. S. Levine

LEVACHEVA, V. I.M. and VESELOV, I.Ya.

"On the Rate of Secretion of Tagged Phosphorus and Carbon from Yeast Cell Tissues During the Process of Fermentation," edited by A. A. Imshenetskiy, Corresponding Member, Academy of Medical Sciences USSR, Moscow, Publishing House of the Academy Of Sciences USSR, 1955, 239 pp

Sum 1467

YEMEL'YANOVA, O.S.; RAVDONIKAS, O.V.; YEGOROVA, L.S.; PANINA, N.V.;
PILIPENKO, V.G.; RUDNEV, M.M.; SIL'CHENKO, V.S.; BESSONOVA, M.A.;
UL'YANOVA, N.I.; VELENEYEVA, Ye.V.; BOROLIN, V.P.; SAMSONOVA, A.P.;
MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.

Approbation of an improved tularemia diagnosticum. Zhur.
mikrobiol., epid. i immun. 40 no.10:85-92 O '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamaley
AMN SSSR, Omskogo instituta prirodnoochagovykh infektsiy,
Protivochumnogo instituta Kavkaza i Zakavkaz'ya, Voronezhskoy,
Leningradskoy, Volgogradskoy, Tul'skoy sanitarno-epidemiologicheskikh
stantsiy.

OLSUF'YEV, N.G.; YEMEL'YANOVA, O.S.; UGIOVOY, G.P.; SIL'CHENKO, V.S.;
BORODIN, V.P.; SAMSONOVA, A.P.; KONKINA, N.S.; SHELAPOVA, G.M.;
LEVACHEVA, Z.A.; TSAREVA, M.I.; ZYKINA, N.A.; LEBEDEV, T.F.

Result of mass use with human subjects of dry tularemia vaccine
prepared from restored Gaiskii No.15 and Emelianova No.155 strains.
Zhur.mikrobiol.epid. i immun. 29 no.3:52-57 Mr '58. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei MN SSSR,
Voronezhskoy, Stalingradskoy, Moskovskoy, Tul'skoy oblastnykh, Altayskoy
krayevoy sanitarno-epidemiologicheskikh stantsii i Omskogo instituta
epidemiologii i mikrobiologii.

(TULAREMIA, immunology,
vaccine, dry from Gaiskii's No.15 & Emelianova's No.155
strains, mass application (Rus)

LEVACHEVA, Z. A., NYASNIKOV, YU. A.

"On the Geography of infectious diseases with natural foci in
the Tula oblast," p. 31

Desyataya Soveshchaniye po parazitologicheskim problemam i
prirodnocharovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 284pp.

MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.; YEGIAZARYAN, K.K.

Epidemiological peculiarities of an outbreak of hemorrhagic fever with a renal syndrome. Zhur. mikrobiol. epid. i immun. 32 no.5:31-37 My '61. (MIRA 14:6)

1. Iz Otdela osobo opasnykh infektsiy Tul'skoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(TULA PROVINCE—HEMORRHAGIC FEVER)

OLSUF'YEV, N.G.; YEMEL'YANOVA, O.S.; UGLOVOY, G.P.; SIL'CHENKO, V.S.; KHOROGHEV, I.G.; YEZHOOVA, Ye.N.; BESSONOVA, M.A.; VEDENEYEVA, Ye. V.; AREF'YEV, S.S.; SHELANOVA, G.M.; SORINA, A.M.; BORODIN, V.P.; KOROLEVA, A.P.; SUVOROVA, A.Ye.; ONIKHIMOVSKAYA, V.A.; STOLZAROVA, A.D.; BYSTROVA, K.A.; REPINA, R.F.; MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.; YEGIAZARYAN, K.K.; RAVDONIKAS, O.V.; SARMANEYIV, A.P.

Optimal periods for testing skin reaction in subjects inoculated against tularemia with a dry live vaccine and vaccinal, reactogenic and immunogenic properties of this preparation. Zhur. mikrobiol. epid. i immun. 32 no.6:92-98 Je '61. (MIRA 15:5)

1. Iz otdela prirodnocchagovykh infektsiy Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR, otdelov Osobo opasnykh infektsiy Voronezhskoy, Leningradskoy, Moskovskoy, Smolenskoy, Stalingradskoy, Tambovskoy, Tul'skoy, oblastnykh sanitarno-epidemiologicheskikh stantsiy i Omskogo instituta epidemiologii, mikrobiologii i gigiyony. (TULAREMIA) (VACCINES)

MYASNIKOV, Yu.A.; PANINA, T.V.; LEVACHEVA, Z.A.; YEGIAZARYAN, K.K.

Characteristics of epidemiological manifestations of natural foci of Tula hemorrhagic fever with the renal syndrome. Med. Paraz. i paraz. bol. 32 no.5:621 9-0'63 (MIRA 16:12)

1. Iz Tul'skoy oblastnoy sanitarno-epidemiologicheskoy stantsii.

MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.

Geography of natural focus infections in Tula Province. Biul.
MOIP. Otd. biol. 68 no.1:5-15 Ja-F '63. (MIRA 17:4)

LEVADA, I.; ROGAL'EV, B.. starshiy prepodavatel'

Evaporator of the motor ship "Orsha." Mar. 1st 26 no. 6:
30-31 Jl '65.

(MIRA 1961)

1. Starshiy mekhanik teplokhoda "Orsha" (for Levada).
2. Vladivostokskoye vyssheye inzhenernoye morest' tsentr uchilishche (for Rogalev).

DOKSHITSKAYA-ZATON, V.M., vrach; ROMANOVA, N.Ya., fel'dsher; VASILENKO, A.Ya., meditsinskaya sestra; LEVADA, Ye.A., meditsinskaya sestra; PANCHENKO, O.G., meditsinskaya sestra (Khar'kov)

Advanced training and improvement of the qualifications of semiprofessional medical personnel. Fel'd.i akush. 25 no.3:
45-47 Mr '60. (MIRA 13:6)
(MEDICINE--STUDY AND TEACHING)

U.S.A., kind.files.mak

Evidence of the existence of God or evidence of ignorance?
Kauka i zhinar! # no. 2:45-51 F '61. (Mk. 14:2)
(Religion)

LEVADNAYA, G.D.

Bottom and fouling algae of Novosibirsk Reservoir in 1957-1958.
Trudy Biol. inst. Sib. otd. AN SSSR no. 7:41-50 '61. (MIRA 15:3)
(NOVOSIBIRSK RESERVOIR--ALGAE)

LEVADNAYA, G.D.

State of phytobenthos in Novosibirsk Reservoir under the conditions of a normal backwater level. Izv.SO AN SSSR no. 8.
Ser. biol.-med. nauk no.2:85-90 '63. (MIRA 16:11)

1. TSentral'nyy sibirskiy botanicheskiy sad Sibirskego otdele-
leniya AN SSSR, Novosibirsk.

*

LEVADNAYA, G.D.

Study of the productivity of the riverside soils of the upper Ob' River (microphytobenthos). Trudy TSSBS no.10:5-15 '6:

Quantitative determination of microphytobenthos in the reservoir of the Novosibirsk Hydroelectric Power Station. Ibid.:24-34 (MIRA 18:10)

LEVADNAYA, G.D.

Characteristics of phytoplankton of the shallow zone of the Novosibirsk Hydroelectric Power Station reservoir. Trudy TSGRS no. 2; 35-42 '64.

Observations of the overgrowing plants in the reservoir of the Novosibirsk Hydroelectric Power Station. Trudy TSGRS no. 3 (MFA 1817)

LEVADNAYA, L.Y.

Control of measures directed toward the sanitary protection of
the water supply in Lugansk Province. Gig.i san. 24 no.8:43-45
Ag '59. (MIRA 12:11)

1. Iz Luganskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(WATER SUPPLY)

LEVADNII YH, L.P.
SMOROSHKO, I.D.; LEVADNAYA, L.P.

Stuffingboxes of centrifugal pumps for pumping slurries. Sakh.
prom. 31 no.3:44-45 Mr '57. (MIRA 10:4)

1. Kupyanskiy sakharnyy zavod.
(Centrifugal pumps)
(Sugar industry--Equipment and supplies)

ACC NR: AP7002875 (AN) SOURCE CODE: UR/0201/66/000/004/0012/0016

AUTHOR: Krasin, A. K.; Danilevich, L. A.; Levadny, V. A.; Nosav, H. A.; Sapozhnikaw, U. U.; Churkin, Yu. L; Yarashevich, A. I.

ORG: none

TITLE: Critical reaction for investigating pure uranium water lattices

SOURCE: AN BSSR. Vestsi. Seryya fizika-tehnichnykh navuk, no. 4, 1966, 12-16

TOPIC TAGS: uranium, nuclear reactor, nuclear physics

ABSTRACT: The article contains a technical description of the design of the critical reactor "Roza" (see Fig. 1) developed at the Institute of Nuclear Physics AN BSSR for studies in the physics of nuclear reactors. It also contains certain physical characteristics of the same reactor and briefly describes the control and breakdown protection systems. A program of experimentation for the reactor is presented. Orig. art. has: 3 figures. [Based on authors' abstract] [NT]

Card 1/2

ACC NR:

AP7002875

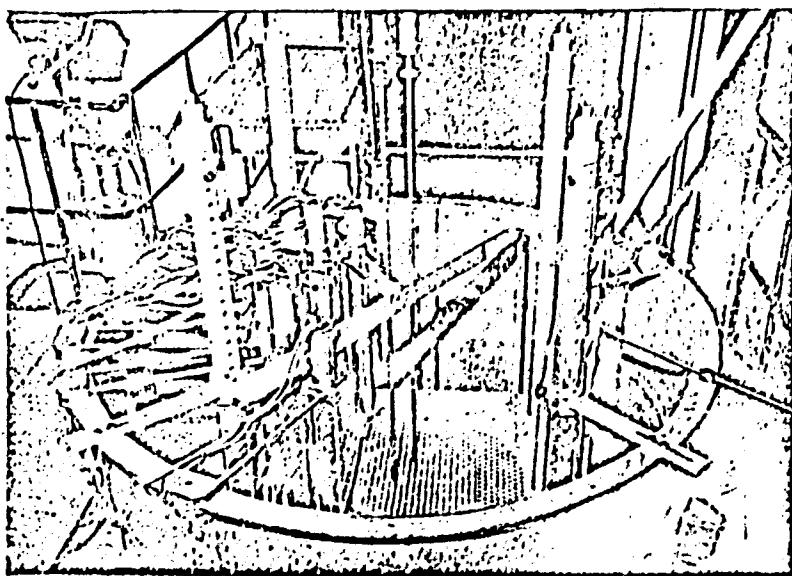


Fig. 1. Overall view
of the critical
reactor "Roza"

SUB CODE: 18/SUBM DATE: none/ORIG REF: 002/
Card 2/2

LEVADNYUK, A.T.

Methods for sampling eolian sands. Izv. AN Turk. SSR no.1:111-115
'57. (MLRA 10:4)

1. Institut geologii Akademii nauk Turkmenской SSR.
(Sand)

AUTHOR: Levadnyuk, A.T.

SOV/165-58-6-3/24

TITLE: On the Eolation in the Balkhany District (Western Turkmenistan)

PERIODICAL: Izvestiya Akademii nauk Turkmenskoy SSR, 1958, Nr 6,
pp 18-24 (USSR)

ABSTRACT: The degree of the eolation of the deposits in the territory of the Balkhany Mountains, brought about by strong winds and the loose composition of the sand and sand clay, was measured at 30 different points in the course of two years. The results, given individually, make it clear that the different eolation degrees in each locality are determined by the wind velocity, the lithological composition of, the density of, and the degree of moisture in the deposits, whereby the ones most worn-away provide the present source for the formation of wandering sand dunes. The deterrent measures for preventing the latter should primarily, therefore, be carried out in areas fixed by exact measurements of this kind.

Card 1/2

SOV/165-58-6-3/24

On the Elevation in the Balkhan District (Western Turkmenistan)

There are: 1 table, 1 graph, 2 photos and 3 Soviet references.

ASSOCIATION: Institut geologii AN Turkmenskoy SSR (Institute of Geology of AS of the Turkmenian SSR)

SUBMITTED: May 9, 1958

Card 2/2

LEVADNYUK, A. T., CAND GEOG SCI, "ORIGIN AND RELIEF OF
SAND MASSIFS OF THE NORTHERN PART OF THE WESTERN TURKMEN
LOWLANDS." ASKHABAD, 1960. (ACAD SCI TUSSR, INST OF GEOL).
(KL, 3-61, 206).

LEVADNYUK, A.T.; MYACKOV, N.Ya.

Interrepublic scientific session on the reclamation of the deserts
of Central Asia and Kazakhstan, May 24-27, 1962.. Izv.AN Turk.SSR.
Ser.biol.nauk no.4:88-91 '62. (MIRA 15:9)

1. Institut pustyn' AN Turkmeneskoy SSR.

(SOVIET CENTRAL ASIA--RECLAMATION OF LAND--CONGRESSES)
(KAZAKHSTAN--RECLAMATION OF LAND--CONGRESSES)

LEVADNYUK, Andrey Terent'yevich; SIDORENKO, A.V., doktor geologo-miner. nauk, otd. red.; KUZ'MENKO, A.I., red. izd-va; IVONT'YEVA, G.A., tekhn. red.

[Sand massifs in the West Turkmenian Lowland] Peschanye mas-sivy severnoi chasti Zapadno-Turkmenskoi nizmennosti. Ash-khabad, Izd-vo AN Turkm.SSR, 1963. 140 p. (MIRA 16:8)

1. Chlen-korrespondent AN SSSR (for Sidorenko).
(Caspian Sea region—Sand dunes)

LEVADNYUK, A.T.

Interrepublic Coordination Conference on the Reclamation of Deserts
of Central Asia. Izv. AN Turk. SSR. Ser. biol. nauk no.5:93-94 '64.
(MIRA 18:1)

1. Institut pustyn' AN Turkmeneskoy SSR.

LEVADNYY, B. A.

LEVADNYY, B. A. (Colonel, Veterinary Service) Veterinary Service of the Red Army in
the Great Patriotic War.

So: Veterinariya; 23; 2-3; February/March 1946; Incl.
TABCON

LEVADNYY B.A.

ALICHKIN, S.L.; AGRINSKIY, N.I.; ANDREYEV, G.F.; BAKUMENKO, G.D.;
VORONTSOV, S.M.; VOYSTRIKOV, I.V.; GRADYUSHKO, G.M.; ZYKOV, A.V.
IVANOVITSEV, P.V.; KINBURG, M.Ya.; KOVALEV, P.A.; KOZLOVSKIY, Ye.V.
KORNILYENKO, A.P.; KOLYAKOV, Ya.Ye.; LAKTIONOV, A.M.; LEVADNYY, B.A.
MEDVEDEV, I.D.; NOVIKOV, N.V.; ORLOV, F.M.; OSTROVSKIY, A.A.;
ORTSEV, V.P.; PENIONZHKO, A.M.; POLOZ, D.D.; PRITULIN, P.I.;
PETUKHOVSKIY, A.A.; ROGALEV, G.T.; RYBAK, P.Ya.; SUTYAGIN, G.P.
TUKOV, R.A.; KHAVCHENKO, D.F.; CHERNETSKIY, T.I.; SHPAYER, N.M.
SHUSTOVSKIY, F.A.

Nikolai Vasil'evich Spesivtsev. Veterinariia 35 no.2:96 p '58,
(MIRA 11:2)
(Spesivtsev, Nikolai Vasil'evich, 1901-1957)

AUTHORS:

Levadnyy, G.Ye., Brodetskiy, Ye.S.

6-58-5-14/17

TITLE:

The Calculation of Standards for Turnover Materials Within the Plan of an Air-Geodetical Undertaking (Raschet normativa oborotnykh sredstv v plane aerogeodezicheskogo predpriyatiya)

PERIODICAL:

Geodeziya i Kartografiya, 1958, Nr 5, pp. 66-75 (USSR)

ABSTRACT:

Working materials are subdivided into basic- and turnover materials. The basic principles in planning the requirements of an enterprise or firm with respect to turnover materials were laid down by the decree issued by the work- and defense council dated July 23, 1931, which is still in force. In the present case the experience gathered by an air-geodetical enterprise is generalized, and on the basis of data obtained for a number of years, a model-calculation of standards for turnover materials was set up. It is shown that, within the structure of assets to be standardized, stock of low value and objects subjected to a high degree of wear occupy the most important place (more than half of all assets). Basic- and auxiliary material range second. The second characteristic feature of the existing structure is the fact that all assets to be standardized are investments made in the turnover-production fund.

Card 1/2

The Calculation of Standards for Turnover Materials
Within the Plan of an Air-Geodetical Undertaking

6-58-5-14/17

Calculation is not based upon the extent to which plans are realized, but upon the volume of production, the structure of production costs as well as upon other indices connected herewith. The problem of the required level for individual types of stocks according to their importance for production and according to the specific weight within the structure of assets to be standardized are dealt with in detail. On the basis of these analytical data a workable method of calculating standards for the materials turned over within the plan of an air-geodetical enterprise is employed. There are 8 tables

1. Geophysical surveying--Materials 2. Materials--Standards
3. Mathematics

Card 2/2

3(4)
AUTHORS:

Levadnyy G. Ye., Brodetskiy Ye. S.

SOV/6-59-4-13/20

TITLE:

Organization of the Economic Book-keeping in an Aerogeodetic Enterprise (Organizatsiya khozyaystvennogo racheta v aero-geodesicheskem predpriyatiy)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 4, pp 40-49 (USSR)

ABSTRACT:

The editors invite the heads of aerogeodetic enterprises, heads of field squads, and other readers to take part in the discussion of the problems put forward here. An attempt is made here to generalize the practice of economic book-keeping. The first chapter investigates the basic conditions for economic book-keeping in aerogeodetic services. The introduction of regular book-keeping within the individual departments of the enterprise : the squads, shops, brigades and groups, is considered most important. The form of book-keeping in the individual departments within an enterprise greatly differs from the book-keeping of the enterprise itself. The basis for each such subsection of the enterprise is the corresponding plan. These plans should provide for book-keeping indices. Their characteristics should be considered in introducing the book-keeping in the auxiliary services. It is point-

Card 1/2

SOV/6-52-4-13/20

Organization of the Economic Book-keeping in an Aerogeodetic Enterprise

ed out in detail what should be considered in determining the indicia for transportation by car, for transportation by horse carriages and for the supply of timber. The second chapter investigates the relationship between the individual subsections of the enterprise with respect to economic book-keeping. The third chapter explains the principle of material interest. The leading personnel should be paid according to the time-premium wage system. The premium should depend, however, on the amount of saving. The premiums should be paid from the means of the premium fund of the corresponding department, not from the means of the fund of the enterprise. The fourth chapter deals with evidence and accounting. It is pointed out that up to date no instructions for the planning, evidence and calculation of cost of production are available for the aerogeodetic services. The fifth chapter concerns financing. Two examples are given: a calculation of financing for a squad for one year, and a calculation for one month. There are 3 tables.

Card 2/2

3(4)

AUTHORS: Levadnyy, G. Ye., Bullov, G. N. 307/6-59-10-2/21

TITLE: Distinguished Personalities of the Ukrainian Aerogeodetical Organization

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 10, pp 11-15 (USSR)

ABSTRACT: The Ukrainskoye aerogeodesicheskoye predpriyatiye (Ukrainian Aerogeodetical Organization) has greatly contributed to the restoration of geodetical nets, to the renewal of topographical maps, and to the continued mapping of the southern areas in the European part of the Soviet Union. In drawing large-scale topographical maps, the Organization applied the stereotopographical method. The authors enumerate here the meritorious and renowned collaborators with short descriptions of their work: Chief Technician Timofey Vasil'yevich Yevtushenko, head of a brigade, joined the Organization in 1930; at present, he is leading the construction of surveying signals. Engineer Ivan Grigor'yevich Trofimenko has worked there for 30 years; he is presently chief of the Department of Technical Inspection. Engineer Zoya Ivanovna Maleyeva, who graduated from the MIIGAiK (Moscow Institute for Geodetic, Aerial Surveying, and Cartographic Engineers), works in

Card 1/3

Distinguished Personalities of the Ukrainian
Aerogeodetical Organization

SOV/6-59-10-2/21

triangulation and leveling of second and third order. The Topographical Department is the largest of the entire Organization. Its staff is charged with surveying up to 70% and with planning work up to 45%. Chief Topographer O. A. Migrin graduated from a polytechnic institute and has been engaged in field work since 1950. Topographer N. P. Bublik is head of the labor-union organization and is occupied with plane surveying. N. L. Sinyagivskiy, head of the Topographical Detachment, is occupied with small- and large-scale mapping of topographic charts. Further, the following collaborators are mentioned: M. S. Klanovets, Vitaliy Grigor'yevich Nazarenko, Topographer V. I. Yemelin, I. I. Legkiy, head of a topographical party, S. P. Zhulinskaya, member of the Komsomol, Young Communist T. A. Kissia, R. Ye. Venglinskiy, R. Ye. Radovil'skiy, expert in photogrammetry, Engineer Vasiliy Stepanovich Marchenko, the designer L. P. Sergiyenko, A. V. Kondratovich, cartographer and technician, N. A. Khomenko, head of a brigade, the mechanic P. N. Konopko, Engineer I. I. Averbakh, Engineer A. I. Alekseyevskiy, Engineer V. M. Yershov, Engineer V. B. Latash, Engineer V. I. Norovskiy, Engineer T. V. Donets, Engineer

Card 2/3

Distinguished Personalities of the Ukrainian
Aerogeodetical Organization

SOV/6-59-10-2/21

I. I. Kizim, the technicians B. F. Mikul'skiy, V. M. Burov,
P. Ya. Korotkov, V. P. Koval'chuk, Ya. Ye. Mitel'man,
I. G. Mariko, F. F. Nebrat, A. Ye. Selyanin, and Ye. V. Sha-
manin. There is 1 table.

Card 3/3

L 22663-66 EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k) JD/HM/HI/JT

ACC NR: AP6006188

SOURCE CODE: UR/0135/66/000/002/0033/0033

AUTHOR: Levadnyy, L. P. (Engineer); Yeronin, V. V. (Engineer)

ORG: Promkhimmontazh Trust, Ministry of Assembly and Special Construction Work UkrSSR (Trest "Promkhimmontazh" Ministerstva montazhnykh i spetsial'nykh stroitel'nykh rabot UkrSSR)

TITLE: Welding imported Cr-Ni-Mo steel pipe

SOURCE: Svarochnoye proizvodstvo, no. 2, 1966, 33

TOPIC TAGS: arc welding, alloy steel, argon, welding electrode, welding equipment, corrosion resistance, metallographic examination

ABSTRACT: Alloy tube steel of 81 x 10 mm diameter to be used for transport of carbamide at 100°C and 200 atm pressure was arc welded. The chemical composition of the metal tube was 0.027% (wt) C, 1.35% Mn, 0.69% Si, 17.7% Cr, 12.8% Ni, 3.0% Mn and 0.020% P. The mechanical properties of the tube were σ_v --55 kg/mm², σ_t --22 kg/mm² and σ_k --20 kg/cm². A diagram shows the preweld shape and dimensions of the

UDC: 621.791.754:546.293:621.9-462 :
669.15-194

Card 1/2

L 22663-66

ACC NR: AP6006188

edges. The first two passes were laid by argon-arc welding, using 2 mm wire (0.03% C, 1.5% Mn, 1.0% Si, 18% Cr, 12.0% Ni and 2.3% Mo); the third pass was made manually using electrodes of about the same composition as for argon except for 0.8% Nb. The welding conditions for each pass are given. The mechanical properties of the welded pieces were σ --55-57 kg/mm² and bend angle--128-131°. Intercrystalline corrosion testing showed that high resistance was exhibited by the weld and the heat affected zone and no differences were observed between the microstructures of the As-welded and corrosion tested samples. Orig. art. has: 2 figures.

SUB CODE: 13,11/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

Card 2/2 *JW*

REVADNY, N.K.; VIREN, I.S., red.

[Problems in physics with solutions; optics] Sotschnik
po fizike s resheniyami; optika. [n.p.] Resvuzizdat,
(MIRA 17:8)
1963. 89 p.

LEVADNYY, V.T.

Microanisotropism of Mesocenozoic sediments in the southern part of
the West Siberian Plain. Geol. i geofiz. no.3:109-114 '60.
(MIRA 13:9)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
(West Siberian Plain--Sediments (Geology))
(West Siberian Plain--Electric prospecting)

LEVADNYY, V.T.

Vertical electric logging above a system of three layers lying on
a horizontal foundation. Geol. i geofiz. no.3:126-128 '60.
(MIRA 13:9)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
(Electric prospecting)

LEVADNYY, G.Ye.

Stationary bases for field detachments. Geod. i kart. no.8:45-49
Ag '60. (MIRA 13:10)
(Ukraine--Surveying)

LEVAI, A.

"Contribution to the question of the prefabrication of elements of facades and facade ornaments." p. 161. (Epitoanyag, Vol. 5, no. 5, Dec 53, Budapest)

S0: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Unclassified

KOVAI, A.

Use of information in formal letter "List", dated 10/10/67, to
MOSCOW COMMUNIST PARTY, U.S.S.R., dated 10/10/67, re:

To: Monthly List of Best Foreign Agents (U.S.), 10, 11, 12, 13,
March 1967, 1968.

LEVAI, A.

Planning and operational problems of heterogeneous reactor power plants.
(To be contd.) p. 49. MAGYAR ENERGIAGAZDASAG. (Energiagazdalkodasi
Tudomanyos Egyesulet) budapest. Vol. 9, No. 2, Feb. 1956

SOURCE: East European Accessions List (EFAL) Library of Congress
Vol. 5, No. 6, June 1956

LEVAI, A.

Planning and operational problems of heterogeneous reactor power plants,
p. 169, MAGYAR ENERGIAGAZDASAG, (Energiagazdalkodasi Tudomanyos Egye-
sulet) Budapest, Vol. 9, No. 5, May 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929420014-0

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929420014-0"

LEVAI, A.

"Main characteristics of the establishment of Hungarian national power plants."

p. 488 (Energia Es Atomtechnika) Vol. 10, no. 8/10, Dec. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EDAI) LC. Vol. 7, no. 4,
April 1958

LEVAI, A.

"Analytical and economic investigation of plutonium production in
nuclear-power reactors." p. 263, In English

PERIODICA POLYTECHNICA. (Padapesti Muszaki Egyetem) Budapest, Hungary,
Vol. 2, No. 4, 1958

Monthly List if East European Accessions (EEA1) LC, Vol. 8, No. 6, June 1959
Uncl.

LEVAI, A.

"Evolution of nuclear energetics at the 2d Geneva nuclear conference."
p. 90.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet).
Budapest, Hungary, Vol. 12, No. 2/3, Feb./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

LEVAI, A.

Errors in construction work in gaps. p. 27.

MAGYAR EPITCIPAR. (Epítészeti Tudományos Egyesület) Budapest, Hungary, Vol. 1, No. 1,
1959.

Monthly List of Best European Accesories (MEJA) 40, Vol. 8, no. 7, July 1959.
UNCL

LEVAI, Andras, prof., dr.techn., Kossuth-dijas

Utilization of nuclear power in the service of energetics.
Ipari energia I no.1/4:22-26 J1-0 '60.

LEVAI, Andras, Dr., professor, Kossuth-díjas

Our power plants to be built between 1960 and 1970 and our prospective
power economy. Enegia es atom 13 no.1/2:15-26 Ja-P '60.

LEVAI A.

SURNAME, Given Names

Country: Hungary

Academic Degrees: [not given]

Affiliation:

Source: Leipzig, Isotopentechnik, No 5-6, May 1961, pp 144-146.

Data: "Determination of Calorific Value of Coals by Rays from Radioactive Sources."

Authors:

KAKAS, J. Csepel Iron and Metal Works, Csepel [no original language version given]
NAGY, M. Csepel Iron and Metal Works, Csepel
VARGA, K. Csepel Iron and Metal Works, Csepel
BISZTRAY-BALKU, A. Powerplant-Designing Bureau, Budapest [no orig. lang. v. given]
LEVAI, A. Powerplant-Designing Bureau, Budapest

690 981643

51

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929420014-0"

Integration of new electric-power plants, and specially of the atomic electric power stations, into the electric-power system.
Energetica Rum 10 no.1:3-9 Ja '62.

1. Universitatea Tehnica, Budapesta.

LEVAI, Andras, dr.

"Technical and economic foundations for distance heat supply" by I.D.
Stancescu. Reviewed by Dr. Andras Levai. Energia es atom 15 no.6:272
Je '62.

1. "Energia es Atomtechnika" szerkeszto bizottsagi tagja.

LEVAI, Andras, dr., Kossuth-dijas egyetemi tanar; BUKI, Gergely, műegyetemi adjunktus

~~Building principles for constructing up-to-date power plants. Energia es atom 15 no.12:527-544 D '62.~~

1. Magyar Tudomanyos Akademia levelező tagja; Nehezipair miniszterhelyettes; "Energia es Atomtechnika" szerkesztő bizottsági tagja.

LEVAI, Andras, dr., Kossuth-dijas tanszekvezeto egyetemi tanar

Guide to the educational reform at the Power Engineering Section
of the Faculty of Mechanical Engineering, Budapest University of
Technical Sciences. Energia es atom 16 no.3:97-101 Mr '63.

1. Budapesti Műszaki Egyetem Gépészmechnoki Kara Erogépesz Szak;
"Energia es Atomtechnika" szerkeszto bizottsagi tagja; Magyar
Tudományos Akadémia levelező tagja; Nehezipari miniszterhelyettes.

L 3113B-66 EWT(m)/I
ACC NR: A15021147

SOURCE CODE: HU/2504/65/050/000/0181/0201

AUTHOR: Lovai, A. (Corresponding member MTA)

ORG: none

TITLE: Efforts to increase temperatures in conventional and nuclear power stations

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 50, 1965, 181-201

TOPIC TAGS: nuclear electric power plant, electric power plant, nuclear reactor, nuclear reactor coolant, thermodynamic analysis, power generating station/GGR nuclear reactor

ABSTRACT: Calculations based on conditions prevailing in Hungary showed that it is not practicable to increase initial steam temperatures above 560°t570°C in that country. Calculations pertaining to nuclear power stations, however, showed that in the case of GGR reactors the modification of the cooling system may contribute to a thermodynamically more effective utilization of temperature. Further improvements can be attained by employing pebble-bed charges with the coolant introduced at the center. The economic advantages of these modifications were discussed. Orig. art. has: 11 figures, 19 formulas, and 1 table.

[Orig. art. in Eng.] [JPRS]

SUB CODE: 10, 18, 20 / SURI DATE: 25Aug64 / OTH REF: 006

Cord 1/1 JT

L 14876-66 EWT(m) DIAAP

ACC NR: AP6008354

SOURCE CODE: HU/0036/65/072/005/0330/0340

AUTHOR: Levai, Andras (Corresponding member MTA, Professor)

29

ORG: Technical University, Budapest (Budapesti Muszaki Egyesum)

13

TITLE: Status and prospects of the utilization of nuclear energy

11

SOURCE: Magyar tudomany, v. 72, no. 5, 1965, 330-340

TOPIC TAGS: nuclear energy, nuclear reactor, pressurized water reactor, gas cooled nuclear reactor, graphite moderated nuclear reactor, breeder reactor, nuclear physics conference

ABSTRACT: This article is text of part of the author's lecture delivered at the 4 Dec 1964 Session of the Department for Technical Sciences at the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Muszaki Tudomanyok Osztalya). The following subjects were discussed: Principal features of atomic-energy utilization in the light of the Third Geneva Conference, gas-graphite reactors, pressurized-water reactors, evaporating water reactors, heavy-water reactors, breeding reactors, converting reactors, and future prospects of atomic-energy utilization. The remainder of the lecture, not covered by this article, dealt with political aspects.

[JPRS]

SUB CODE: 18 / SUBM DATE: none / OTH REF: 009 / SOV REF: 002

Card 1/1

2

LEVAI, Bela

186T110

HUNGARY/Radio - Propaganda

Mar 51

"Radio Broadcasting in the Hungarian People's Republic," Bela Levai, Budapest

"Radio" No 3, p 14

Construction of new "Radio Building," which will have 9 studios, was begun in 1950. Broadcasting time already exceeds 40 hour per day and the number of subscribers is approaching one million. The Hungarian radio broadcasts Soviet, and Hungarian propaganda, programs for children, the "University by Radio" for workers, and also Russian language lessons. As a token of mutual appreciation, a "Hungarian Music Week" was observed in

186T110

HUNGARY/Radio - Propaganda (Contd)

Mar 51

Moscow and a "Soviet Music Week" in Hungary in 1950.

186T110

LEVAI, B.

"MOSCOW Memory" p. 3 (Magyar Radio, Vol. 9, No. 45, November, 1953, Budapest)

SO: Monthly List of East European Russia Accessions, Vol. 3, No. 3
Library of Congress, March ¹⁹⁵⁴
^{1953, Uncl.}

LEVAI, BELA.

TECHNOLOGY

LEVAI, BELA. Radiohallgatok konyve. Minerva, 1958p. 363

Monthly list of East European Accessions (EEA) 1G, Vol. , No. 2,
February 1959, Unclass.

LEVAI, Bela

People's education and radio. Munka 10 no.4:22 Ap '60.

1. "Radio es Televizio Ujsag" szerkesztoje.

RUSNAK, I. [Rusznak, I.]; LEVAI, D.; TOT, M. [Toth, M.]

Oxidation of cellulose by nitrogen dioxide. Part 1: Study of cellulose reactions by means of the adsorption balance. Vysokom. soed. 5 no.3:
449-452 Mr '63.

1. Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti,
Budapest.
(Cellulose) (Nitrogen oxides) (Adsorption)

FOLDES, I.; NAGY, I.Zs.; BENKO, K.; LEVAI, G.; ARY-BALOGH, P.

Electron microscopic studies on the postembryonal epiphyseal
cartilage in albino rats. Acta morph. acad. sci. Hung. 13
no.4:283-299 '65.

1. Institut fur Anatomie, Histologie und Embryologie und
Zentrales Forschungslaboratorium der Medizinischen Uni-
versitat, Debrecen. Submitted June 28, 1963.

HUNGARY

SZILAGYI, Tibor, MILTENYI, Laszlo, LEVAI, Geza, BENKO, Karoly; Medical University of Debrecen, Institute of Pathophysiology, Institute of Anatomy and Central Laboratory (Debreceni Orvostudomanyi Egyetem, Korelettani Intezet, Anatomiai Intezet es Kozponti Laboratorium).

"Formation of an Intravascular Precipitation in the Anaphylactic Shock of Guinea Pigs."

Budapest, Kiserletes Orvostudomany, Vol XIX, No 1, Jan 67, pages 1-6.

Abstract: [Authors' German summary] Passive Arthus and antigen-antibody-complex reactions as well as passive cutaneous anaphylaxis was produced in alloxan-diabetic rabbits and mice. It was established that the development of this skin reaction is decreased in severity by the presence of diabetes. A hyperglycemia produced by the administration of glucose has a similar inhibitory effect. It is probable that the inhibition of histamine liberation by the high sugar level and the formation of granulation tissue is responsible for the decrease in the intensity of the skin reaction. 7 Hungarian, 5 Western references. [Manuscript received 3 Dec 65.]

1/1

L E V A I APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929420014-0"

Hungary /Chemical Technology. Chemical Products
and Their Application

I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32149

Author : I. Marton Jozsef II. Marton Jozsef, Levai Gyula
III. Marton Jozsef, Matolcsy Kalman

Title : Some Problems of Production of Bases for Cold
Dyeing. Part I. Study of Separation of
Mixtures of Isomeric Nitro-Toluenes and Nitro-
Chlorobenzenes. Part II. Study of Preparation
of Bases for Red Dyeings. Part III.

Orig Pub: Magyar Kemikusok lapja, 1953, 8, No 11, 306-308;
308-310; 310-313.

Abstract: Part I. The technological schemes are con-
sidered and the possible range of production of

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Hungary /Chemical Technology. Chemical Products
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I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32149

a plant for the manufacture of bases for cold dyeing, using toluene and chlorobenzene as the starting raw materials. It is planned to produce from toluene: bases for Scarlet G, Scarlet TR, Red TR and Red KB; and from chlorobenzene: bases for Scarlet RC, Red JTR, Bordeaux GP and Variamine Blue B. In addition the byproducts: p-nitrotoluene, o-nitro-chlorobenzene and p-nitro-chlorobenzene are utilized as intermediates in the pharmaceutical and synthetic dyestuff industry, chlorobenzene for the manufacture of DDT, and 2,4-dinitro-chlorobenzene for sulfur dyes.

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Hungary /Chemical Technology. Chemical Products
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I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32149

Part II. A study was made of the separation of mixtures of isomeric nitrotoluenes and nitro-chlorobenzenes, by fractional distillation and crystallization. Mononitration of toluene is carried out by addition at 25° of mixed acid containing 28% HNO₃ and 56.5% H₂SO₄, in an amount of 99% of the theory. The resulting mixture of isomeric mononitro-toluenes (yield 96%) contains 60% o-nitro-, 34% p-nitro- and 4% m-nitro-toluene. By distillation of this mixture through a column, 12 mm in diameter, 110 cm high, containing a spiral packing, at 12 mm Hg, are obtained the following: light cut 0.5%, fractions

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Hungary /Chemical Technology. Chemical Products
and Their Application

I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 321⁴⁹

of 98.6% o-nitrotoluene -- 54.5%, fractions of
80% p-nitrotoluene -- 43% and losses -- 2%.
Fraction of p-nitrotoluene is subjected to cry-
stallization by cooling to 18-20° and p-nitroto-
lune is separated; filtered mother-liquor is
redistilled to separate m-nitrotoluene, and the
residue is crystallized again to separate p-
nitrotoluene, the total yield of the latter
being 33.6%. In an analogous manner is separ-
ated the mixture of isomeric nitro-chloroben-
zenes, containing 62% of the p-isomer. From
811 kg of mixed nitro-chlorobenzenes are separ-
ated by crystallization 369 kg p-nitrochloro-

Card 4/7

Hungary /Chemical Technology. Chemical Products
and Their Application

I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32149

benzene, and by distillation of mother-liquor and recrystallization are separated 79 kg o-nitro-chlorobenzene; in addition there are obtained 292 kg of mother-liquor containing about 30% p-nitrotoluene, which is subjected to further processing. Technological schemes are given for the separation of mixtures of nitrotoluenes and nitro-chlorobenzenes, diagrams of equilibrium of liquid-vapor system, fusion temperatures and crystallization of binary mixtures of O- and p-nitrotoluene and o- and p-nitrochlorobenzene.

Card 5/7

Hungary /Chemical Technology. Chemical Products
and Their Application

I-18

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, Nc 9, 1957, 32149

the rate of methoxylation of o-nitro-chlorobenzene, at temperatures of 64-65°, 69-71° and 74-75°, over periods up to 40 hours, and a fusion temperature diagram has been plotted for the system of a mixture of o-nitro-chlorobenzene and o-nitro-anisole. A study was made of the conditions of preparation of o-anisidine nitrate, on reacting o-anisidine with 20, 30 and 40% HNO₃ at 40-100°; limits have been determined under which formation of the nitrate occurs without appreciable decomposition.

Card 7/7

LEVAI, GY.; TOTH, M.; RUSZNAK, L.

Data on the investigation of cellulose reactions by means of an adsorption scale. In German. p. 253.

PERIODICA POLYTECHNICA. CHEMICAL ENGINEERING. (Budapesti Műszaki Egyetem.)
Budapest, Hungary. Vol. 2, no. 4, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July 1959.

Uncl.

LEVAI, G.

Distr: 4E2c(j)/4E3d

/ Gas-phase catalytic hydration of acetylene. József

Marton, Gyula Zollner, Gyula Levai, Ákos Tátraiai,

György Ballint (Szerves Vegyi Pari és Műanyagipari Kutató

Intézet, Budapest, Hung.). Magyar Tudományos Akad.

Xim. Tudományok Országos Költeményei 12, 441-83

(1959).—The com. production of AcH by reaction between

C₂H₂ and steam has been investigated. It was found that

the activity and selectivity of the ZnO-Zn phosphate catalyst

can be varied between wide limits. However, the compn.

of the catalyst is unstable. The absorption of AcH, C₂H₂,

and Me₂CO on various catalysts was investigated. A

method of calcn. is given for the simultaneous evaluation of

the sorption and polymerization of Me₂CO. The rate of

each process step can be controlled by additives which

change the apparent electron concn. on the surface of the

catalyst. The mechanism of the hydration of C₂H₂ is ex-

plained by a general glycol-type transition complex.

J. Sallay

7

1-BW(BW)

1-J/J(n/b)

2

LEVAI, Gy.

Distr: 4E2o(j)/4E3d

425/60.

567.314.8

Investigation of the catalytic hydration of acetylene in the vapour phase. (In English) J. Marton, Gy. Zöllner, Gy. Levai, A. Tétraud, Gy. Ballint. Acta Chimica Academiae Scientiarum Hungaricorum, Vol. 21, 1959, No. 4, pp. 375-389, 8 figs., 7 tabs.

The vapour phase reaction of acetylene and water on different catalysts was investigated with respect to the commercial production of acetaldehyde.¹ The activity and selectivity of the catalyst combinations zinc oxide and zinc phosphate can be varied at will between wide limits, but those which seem promising for the production of acetaldehyde lack the necessary stability of structure. The chemisorption of acetylene, acetaldehyde and acetone on different catalysts has been investigated. A computation method has been evolved for the simultaneous estimation of chemisorption and polymerization of acetylene. Experiments have shown that additives affecting the electron density of catalyst surface change the rate of several steps constituting the reaction sequence. By assuming a geminal glycol-type intermediate an attempt is made to clarify the reaction mechanism involved.

7

1-BW(BD)

2-Jug.(NA)(May)

2

GELEJI, Frigyes; LEVAI, Gyula; MIGRAY, Endre

Castor oil as a raw material of the chemical industry. Magy kem
lap 15 no.7:293-303 J1 '60.

1. Szerves Vegyipari es Muanyagipari Kutato Intezet.